Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 16 Jan 2021 until 23:59 on Sunday 17 Jan 2021

Forecast Issued on Saturday 16 Jan 2021 at 02:33

Confidence: High for the band of snow and rain crossing from the west Saturday morning, becoming medium for the extent of the showers later Saturday and through Sunday, then low for any detail of showers or longer periods of rain and summit snow from Monday.

Headline for Saturday 16 Jan 2021: Periods of snow and rain clearing to showers by midday, with freezing level rising.

Mountain weather hazards on Saturday 16 Jan 2021

Blizzards Medium Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow	Light rain	Cloudy	Cloudy	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
>95%	80%	40%	40%	20%	20%

Forecast for Saturday 16 Jan 2021

Weather: Starting cloudy with periods of snow and rain. Snow initially down to around 500m, with temporary blizzard conditions on highest peaks and severe wind chill, then snow level above all peaks by mid-morning. Rain gradually clearing from the west mid to late morning followed by isolated showers through the rest of the day.

Chance of cloud free mountain/hill tops above 600m: 30% at first, becoming 80% during the afternoon as bases lift and break.

Visibility: Poor or very poor in early periods of rain and snow, with bases broken to extensive from 450-650m, becoming generally good or very good outside of showers as cloud lifts and breaks.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Saturday 16 Jan 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	34/47 S	27/38 S	18/26 W	25/34 W	23/32 W	20/30 W	22/31 W
300	28/39 S	20/31 S	15/22 W	19/29 W	17/27 W	14/25 W	15/25 W
Valley	14/33 S	13/29 S	10/22 W	14/29 W	11/26 W	9/24 W	10/25 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-8	1/-7	3/-3	3/-3	2/-5	1/-5	1/-6
300	2/-5	3/-3	5/1	5/0	4/-0	4/-1	3/-2
Valley	2/-3	3/-1	5/2	6/2	5/1	4/0	3/-0
Freezing Level*	1000m	1100m	1100m	1100m	800m	800m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Worst of the conditions expected early morning when hill fog will be extensive in driving snow and rain.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 16 Jan 2021	3.2mm	14.6mm	42.6mm

Forecast for Sunday 17 Jan 2021

Weather: Rather cloudy with a few light shower, and with the best of any cloud breaks in the east of the Park.

Maximum wind: West 20-25mph at first with gusts reaching 35mph. Winds gradually easing from mid-day.

Chance of cloud free mountain/hill tops above 600m: 90% occasionally 60%.

Visibility: Occasionally moderate with bases around 600m at times, especially in the west, otherwise very good.

Temperature: **Valleys:** Minus 2 Celsius increasing 7 Celsius for the afternoon
At 600m: Zero to plus 1 Celsius
Freezing level: 600-700m

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